



**Department of Energy**  
Washington, DC 20585

February 2, 2009

MEMORANDUM FOR      ERIC J. FYGI  
                                 ACTING GENERAL COUNSEL  
                                 OFFICE OF THE GENERAL COUNSEL

FROM:                      GEORGE J. MALOSH  
                                 DEPUTY DIRECTOR FOR FIELD OPERATIONS  
                                 OFFICE OF SCIENCE

SUBJECT:                  Office of Science Annual NEPA Planning Summary for 2009

This memorandum is in response to a memorandum from the former General Counsel, David Hill, dated December 10, 2008, to the Secretarial Officers and Heads of Field Organizations regarding the Annual National Environmental Policy Act (NEPA) planning summaries required by DOE Order 451.1B, *National Environmental Policy Act Compliance Program*.

As requested in the memorandum, attached is the Office of Science (SC) annual NEPA planning summary for 2009. The three attached documents provide the status of ongoing NEPA compliance activities, Environmental Assessments (EAs) expected to be prepared in the next 12 months, and Environmental Impact Statements (EISs) supplement analysis expected to be prepared in the next 24 months. The summary includes the planned cost and schedule for completion of each NEPA review identified.

If you have any questions regarding the annual SC NEPA planning summary, please direct them to Sat Goel of my staff at (301) 903-3057 or [sat.goel@science.doe.gov](mailto:sat.goel@science.doe.gov).

Attachments (3)



FEB 05 2009

## Status of Ongoing NEPA Compliance Activities:

Office of Science 1/23/09				
Title, Location	Estimated Cost	Estimated Schedule (NEPA Milestones)*		Description*
<b>Ames Site Office -- None</b>				
<b>Argonne Site Office -- None</b>				
<b>Berkeley Site Office</b>				
Seismic Phase 2B at the Lawrence Berkeley National Laboratory		Determination Date:	9/5/2008	Construction of a new, approximately 35,000-43,000 gross square feet General Purpose laboratory to house conventional wet-lab facilities; seismically upgrade and stabilize the slope surrounding Building 85 Hazardous Waste Handling Facility; and demolish seismically-rated "very poor" or "poor" and antiquated space. To the extent possible, DOE is working the state CEQA process in parallel with the Federal NEPA process. The EA notification letter to the State was dated 11/25/2008.
		Transmittal to State:	8/27/2009	
		EA Approval:	12/27/2009	
NDM: Kim Abbott 510-486-7909 kim.abbott@bso.science.doe.gov		FONSI:	12/27/2009	
NCO: Gary Hartman, 865-576-0273 hartmangs@oro.doe.gov	\$125,000	Distribution Date:	1/6/2010	
<b>Brookhaven Site Office--None</b>				
<b>Fermi Site Office -- None</b>				
<b>Chicago Office</b>				
Very Energetic Radiation Imaging Telescope Array System (VERITAS), Southern Arizona (DOE/EA 1543)		Determination Date:	5/31/2005	VERITAS is a telescope array which was originally planned for Kitt Peak National Observatory, west of Tucson on an area leased to the Federal Government by the Tohono O'odham Nation (TON). A CX is currently in place which authorizes testing and demonstration operations at the Mt. Whipple Observatory Base Camp. The National Science Foundation (NSF) is DOE's partner on the project and the Smithsonian Astrophysical Observatory operates it. The Smithsonian has decided not to pursue operations at Kitt Peak and NSF has tentatively cancelled plans to prepare an EA. The DOE is awaiting NSF, as the lead agency, to issue formal documentation cancelling the EA effort first. DOE will then follow suit.
		Transmittal to State:	11/14/2005	
NDM: NA		EA Approval:	NA	
NCO: Peter Siebach, 630-252-2007 peter.siebach@ch.doe.gov		FONSI:	NA	
Cooperating with the National Science Foundation	\$75,000	Distribution Date:	NA	
<b>New Brunswick Laboratory -- None</b>				



## Status of Ongoing NEPA Compliance Activities:

Office of Science 1/23/09				
Title, Location	Estimated Cost	Estimated Schedule (NEPA Milestones)*		Description*
<b>Oak Ridge Office</b>				
Disposition of Radioactively Contaminated Nickel located at the East Tennessee Technology Park, Oak Ridge, Tennessee, and the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for Controlled Radiological Applications (DOE/EA-1599); Oak Ridge, TN and Paducah, KY  NDM: Susan Cange, 865-576-0334 cangesm@oro.doe.gov  NCO: Gary Hartman, 865-576-0273 hartmangs@oro.doe.gov	\$300,000	Determination Date:	8/17/2007	Disposition of radioactively contaminated nickel located at the ETPP and the PGDP site for controlled radiological use. The Draft EA was distributed for public comment on June 13; the comment period ended on August 15. Responses to comments are being prepared and will be available with the final document. The preliminary draft is being reviewed internally by DOE. <i>Note: This is an EM Project</i>
		Transmittal to State:	6/13/2008	
		EA Approval:	TBD	
		FONSI:	TBD	
		Distribution Date:	TBD	
Transfer of Land and Facilities in the Northwestern Portion of the Oak Ridge Reservation (DOE/EA-1640); Oak Ridge, TN  NDM: Susan Cange, 865-576-0334 cangesm@oro.doe.gov  NCO: Gary Hartman, 865-576-0273 hartmangs@oro.doe.gov	\$75,000	Determination Date:	10/23/2008	Transfer of land and facilities in the northwestern portion of the Oak Ridge Reservation for mixed use (i.e., industrial, commercial, and recreational). This would include East Tennessee Technology Park area of responsibility, including Land Parcel ED-3.
		Transmittal to State:	TBD	
		EA Approval:	TBD	
		FONSI:	TBD	
		Distribution Date:	TBD	
<b>Pacific Northwest Site Office -- None</b>				
<b>Princeton -- None</b>				
<b>Stanford Site Office -- None</b>				
<b>Thomas Jefferson Site Office -- None</b>				
<b>Total</b>	<b>\$575,000</b>			
<b>* Forecast Milestones Italicized</b>				

**Annual NEPA Planning Summary: Environmental Assessments  
Expected to be Prepared in the Next 12 Months**

*Office of Science  
1/31/09*

Title, Location	Estimated Cost	Estimated Schedule (NEPA Milestones)		Description
Ames Site Office -- None				
Argonne Site Office -- None				
Brookhaven Site Office				
White Tailed Deer Management at Brookhaven National Laboratory, Upton, New York		Determination Date:	Feb-09	This EA would assess the various alternatives for white-tailed deer management at Brookhaven National Laboratory. Deer management is desired to reduce long term ecological impacts caused by high deer populations, reduce impacts of car/deer accidents, and
NDM -- TBD		Transmittal to State:	Jul-09	
NCO: Caroline Polanish, 631-344-5224 polanish@bnl.gov		EA Approval:	Sep-09	
		FONSI:	Sep-09	
	\$30,000	Distribution Date:	Sep-09	
Chicago Office -- None				
Fermi Site Office -- None				
Headquarters (SC)				
Facility for Rare Isotope Beam, Location: Michigan State University, East Lansing, Michigan		Determination Date:	Feb-09	On December 11, 2008, Michigan State University's (MSU) proposal was selected for the design, construction, and operation of the Facility for Rare Isotope Beams (FRIB). The FRIB (a linear accelerator for short-lived nuclei not normally found on earth) is expected to take about a decade to design and build and will cost an estimated \$550 million. The FRIB will help us, for example, to understand the origin of the elements and the evolution of the cosmos, and offers a laboratory for exploring the limits of nuclear existence and identifying new phenomena, with the possibility that a more broadly applicable theory of nuclei will emerge. FRIB will be located at MSU. An environmental critique was completed in November 2008. A formal determination concerning the level of NEPA is expected 2Q/FY2009.
		Transmittal to State:	Dec-09	
		EA Approval:	Apr-10	
		FONSI:	Jun-10	
	\$250,000	Distribution Date:	Jul-10	
New Brunswick Laboratory -- None				
Pacific Northwest Site Office -- None				
Princeton Site Office -- None				
Berkeley Site Office (BSO) - None				
Oak Ridge Office (ORO) - None				
SLAC Site Office (SSO)				
Light Coherent Light Source Undulator II at the SLAC National Accelerator Laboratory; Menlo Park, CA		Determination Date:	2009	The Light Coherent Light Source (LCLS) Undulator II is envisioned to be a 0.2 - 2 keV Free Electron Laser (FEL) x-ray source capable of delivering x-rays to End Station A at SLAC. It will also be configurable as a non-FEL hard x-ray source capable of delivering a chirped x-ray pulse for single-shot broad- spectrum measurements. The project would entail replacement of the electron beam transport to End Station A with an optimized design and the construction and installation of an undulator system and beam dump and the x-ray
		Transmittal to State:	TBD	
		EA Approval:	TBD	
		FONSI:	TBD	
NDM: TBD				
NCO: Gary Hartman, 865-576-0273 hartmangs@oro.doe.gov				



**Annual NEPA Planning Summary: Environmental Impact Statements (Supplement Analysis)  
Expected to be Prepared in the Next 24 Months**

*Office of Science*

1/23/09

Title, Location	Estimated Cost	Estimated Schedule (NEPA Milestones)		Description
<b>Oak Ridge Office (ORO)</b>				
Supplement Analysis (SA) to the Construction and Operation of the Spallation Neutron Source (SNS) Environmental Impact NDM: TBD NCO: Gary Hartman, 865-576-0273 hartmangs@oro.doe.gov		Determination Date:	TBD	The addition of a second target station with its own set of instrumentation and increase of the proton beam power to 4 megawatt (MW) by adding a second ion source, modifying the linac, and adding a second proton accumulator ring were all analyzed in the SNS EIS. Since the SNS EIS was completed about 10 years ago (i.e., 1999), an SA is being prepared to document the continuing adequacy and relevance of the assessments conducted in the 1999 SNS EIS.
		NOI:	TBD	
		Scoping:	TBD	
		Draft	TBD	
		Hearings	TBD	
		Final	TBD	
	TBD	ROD	TBD	
<b>SLAC Site Office (SSO) - None</b>				
<b>Thomas Jefferson Site Office (TJSO) - None</b>				
<b>Berkeley Site Office (BSO) - None</b>				
<b>Ames Site Office -- None</b>				
<b>Argonne Site Office -- None</b>				
<b>Brookhaven Site Office</b>				
<b>Chicago Office -- None</b>				
<b>Fermi Site Office -- None</b>				
<b>Headquarters (SC) -- None</b>				
<b>New Brunswick Laboratory -- None</b>				
<b>Pacific Northwest Site Office -- None</b>				
<b>Princeton Site Office -- None</b>				

	\$40,000	Distribution Date:	TBD	transport, optics, and diagnostics. It also includes the construction of an annex to End Station A to house instruments and the fabrication and installation of the instruments.
Thomas Jefferson Site Office (TJSO) - None				
Total	\$320,000			